

SUBMITTAL - 48,000BTU CEILING CASSETTE - M18

Job Name: _____
Location: _____
Engineer: _____
Submitted By: _____
Submitted To: _____

Submitted For: _____ **Approval**
Reference **Construction**
Date: _____
Unit Tag: _____
Drawing No.: _____

WARRANTY

Standard 10 Years Parts & Compressor

Terms & Conditions Apply.

TYPE

Air Source Heat Pump

Cold Climate Air Source Heat Pump

MODELS

Indoor DUA48HICU230X5

Outdoor DMA48HOS18230S5

CAPACITY RANGE¹

Output (Btu/h)	Min.	Rated	Max.
Cooling	12700	48000	50800
Heating	15000	50000	55000

HEATING PERFORMANCE²

Output (Btu/h)	Min.	Rated	Max.
47°F (8.3°C)	15000	50000	55000
17°F (-8.3°C)	8200	30000	39000
5°F (-15°C)	5100	35600	36000
-13°F (-25°C)	2900		21100

OUTDOOR TEMPERATURE OPERATING RANGE

Cooling	-15 ~ 50 °C	5 ~ 122 °F
Heating ³	-25 ~ 24 °C	-13 ~ 75 °F

LINE SET & REFRIGERANT

Liquid (in.)	3/8"	Gas (in.)	5/8"
Connection Type	Flared		
Pre-Charge Length (ft)	25		
Max. Length (ft)	213.2		
Max. Height Difference (ft)	98.4		
Refrigerant Type	R410A		
Pre-Charge (oz)	158.73		
Additional Charge per Foot (oz)	0.32		
Oil Type	VG74	Oil Volume (ml)	1400
Drain Pipe O.D. (mm)	25		



Images for reference only.

CERTIFIED

AHRI NO.	 
207742507	

EFFICIENCY RATINGS

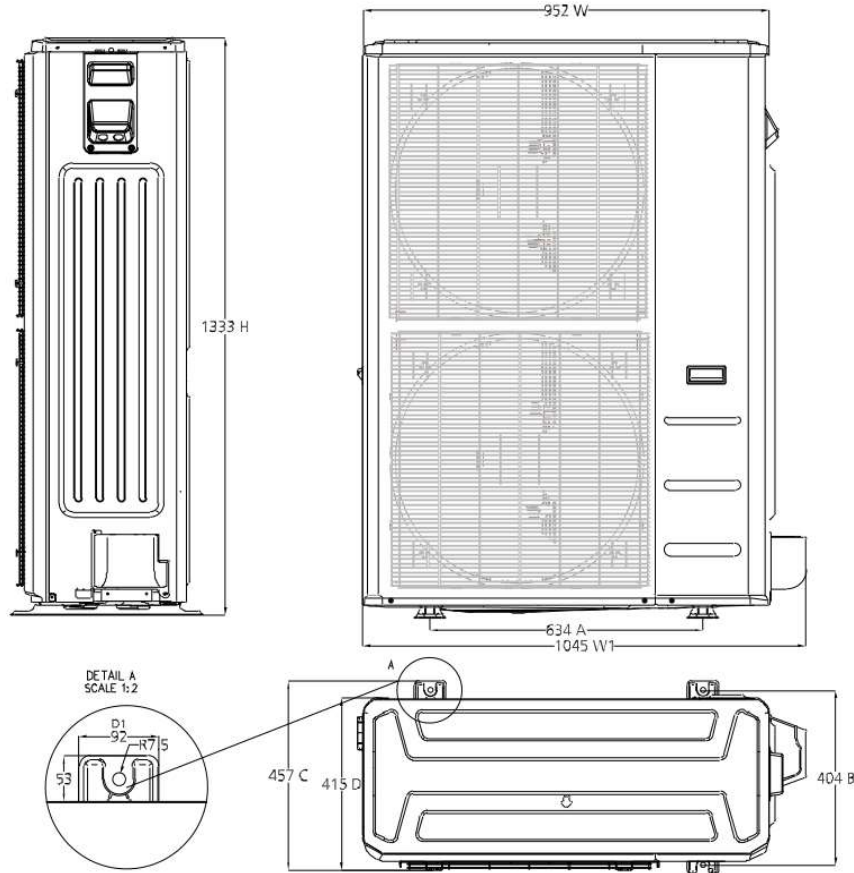
SEER2	18.5			
EER2	9.5			
HSPF2 (4)	9.8			
HSPF2 (5)	7.5			
COP ²	47°F (8.3°C)	17°F (-8.3°C)	5°F (-15°C)	-13°F (-25°C)
	3.1	2.34	1.98	1.28

ELECTRICAL

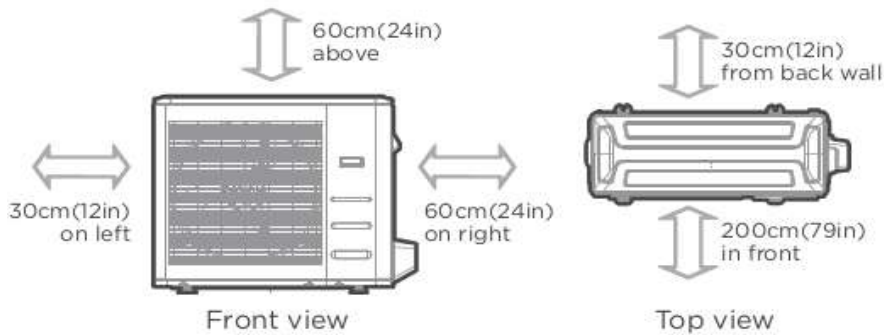
Power Supply	(V/Ph/Hz)	208-230/1/60		
Voltage Range	(V)	187-253		
MCA (A)	39	Max Fuse (ODU) (A)	50	
Power Input (W)	Min.	Rated	Max.	
	Cooling	650	5050	5050
Heating	650	4730	5200	
Current (A)	Min.	Rated	Max.	
	Cooling	4.35	23.1	23.1
Heating	4.61	21.5	22.82	

1. Cooling Capacity Conditions: Indoor Temperature @ 80°F (26.7°C) DB; 67°F (19.4°C) WB with Outdoor Temperature @ 95°F (35°C) DB; 75°F (23.9°C) WB. Heating Capacity Conditions: Indoor Temperature @ 70°F (21.1°C) DB; 60°F (15.6°C) WB with Outdoor Temperature @ 47°F (8.3°C) DB; 43°F (6.1°C) WB. Line Set @ 25ft (7.5m); Height Difference @ 0ft (0m). 2. COP for all temperatures is @ rated output except when rated output is not given. In that case, COP is @ max. output. 3. System continues to operate below rated outdoor temperature operating range, subject to varying conditions. System has no low temperature cutout. Capacity is not tested outside of the rated temperature range. | Master Group is not responsible for the accuracy and validity of any changes made to this document without the written authorization of Master Group. Specifications subject to change without notice.

OUTDOOR UNIT DRAWING



OUTDOOR UNIT CLEARANCES



Note: Outdoor units must be elevated 12-24in. (30.5-61cm) above the surface below in heating applications to allow for snow clearance and defrost runoff. Follow local best-practices and guidelines.

Diagrams for reference only.

NOTES